

FIG.1

FIG.2

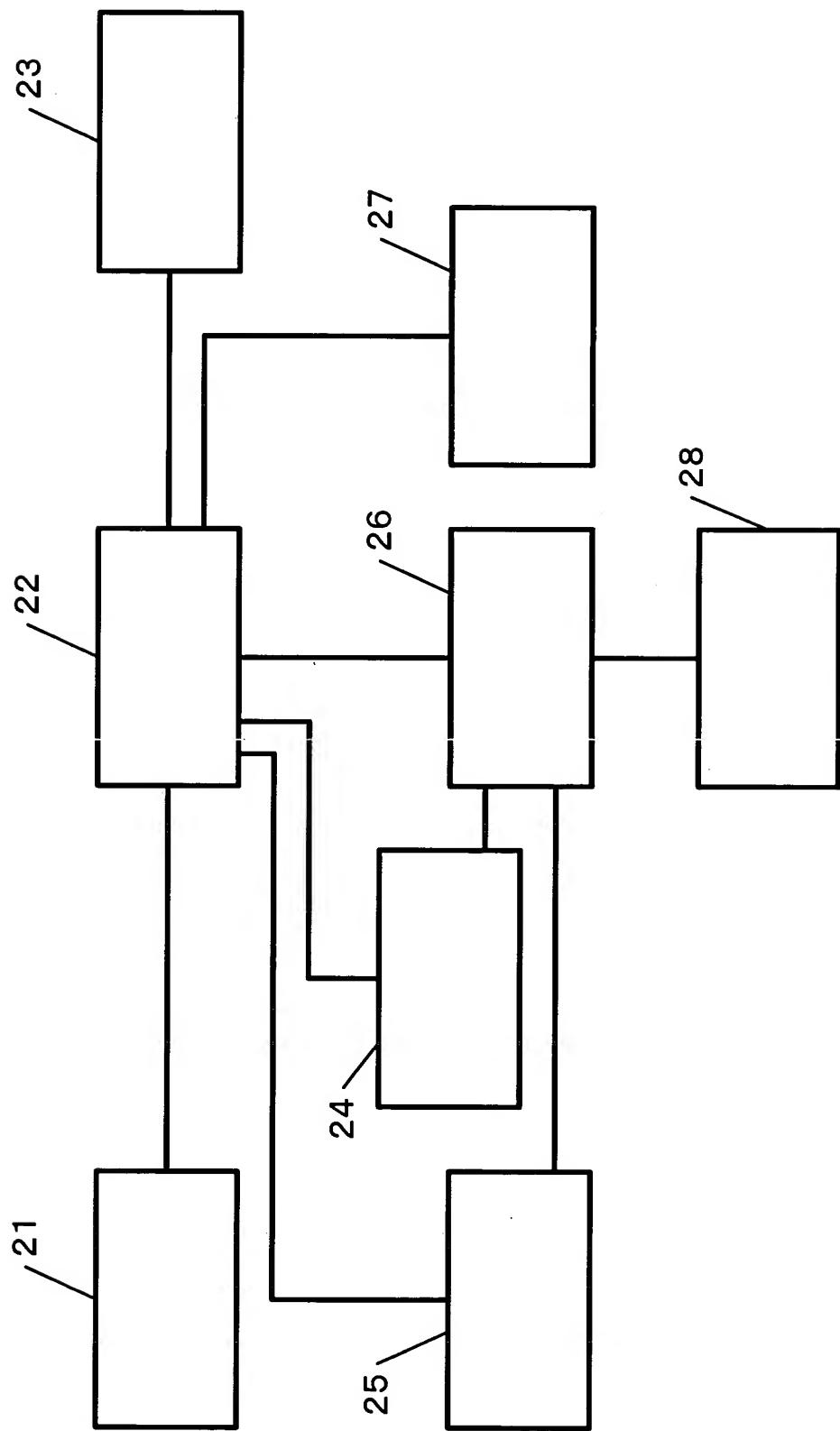


FIG.3

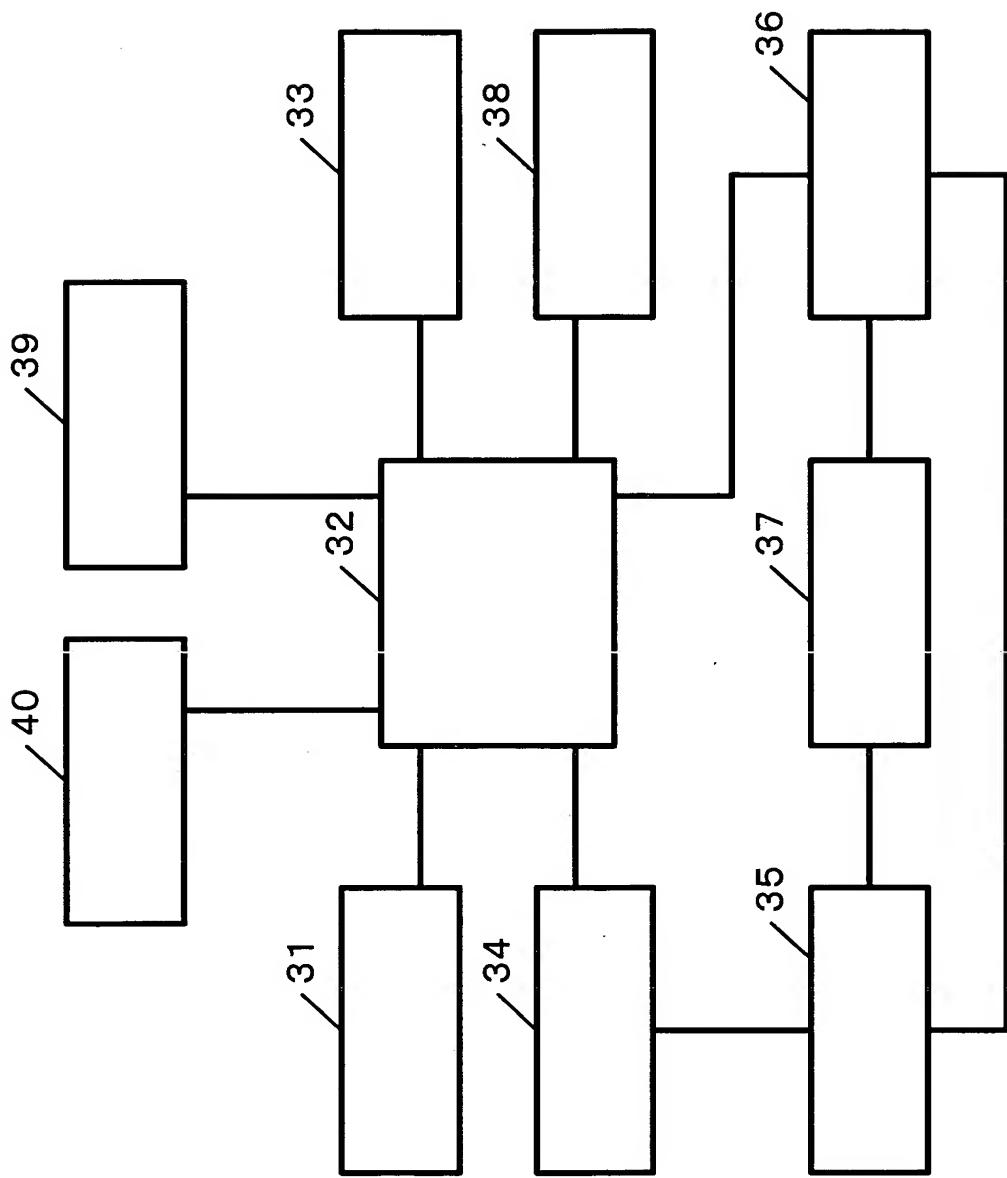


FIG.4

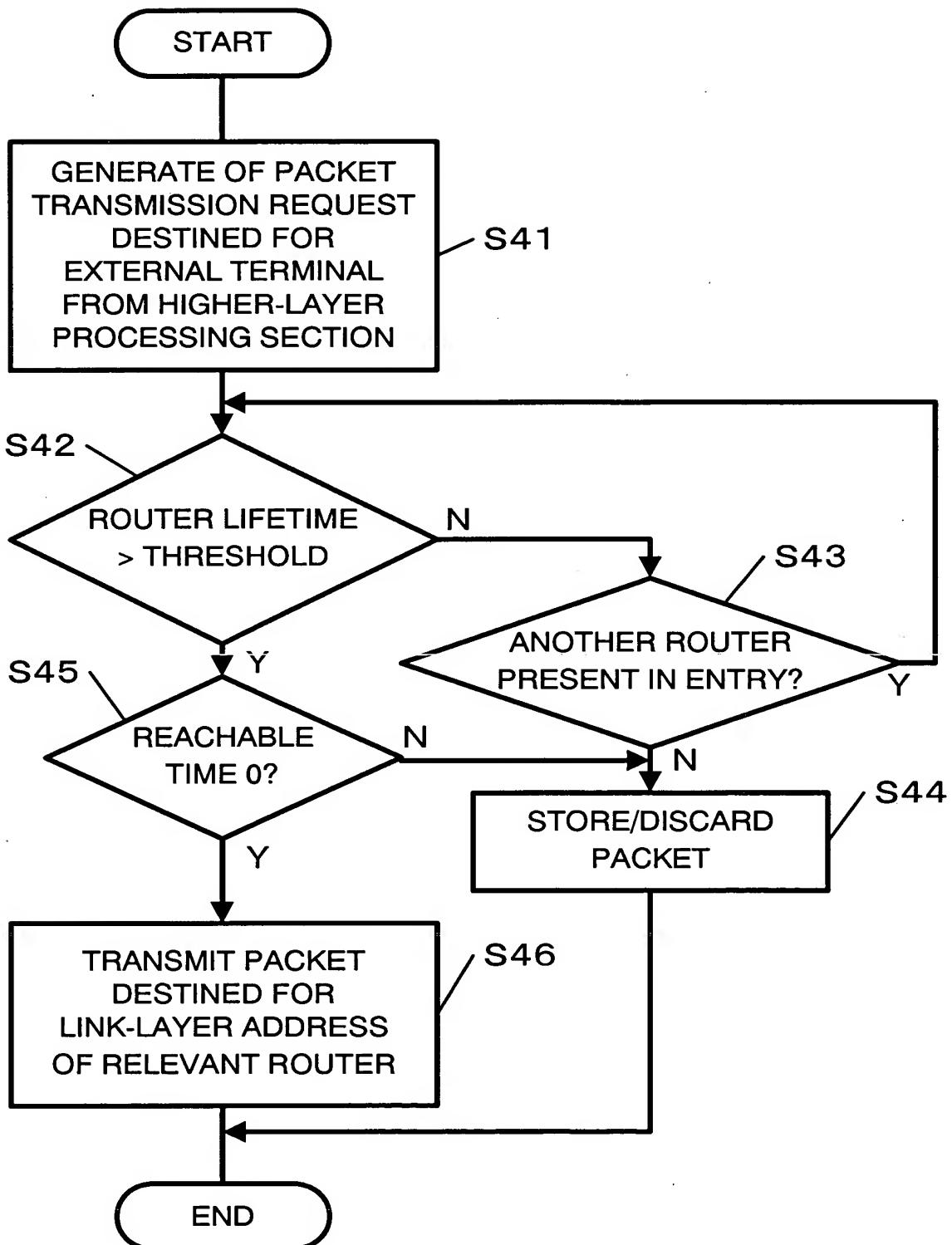
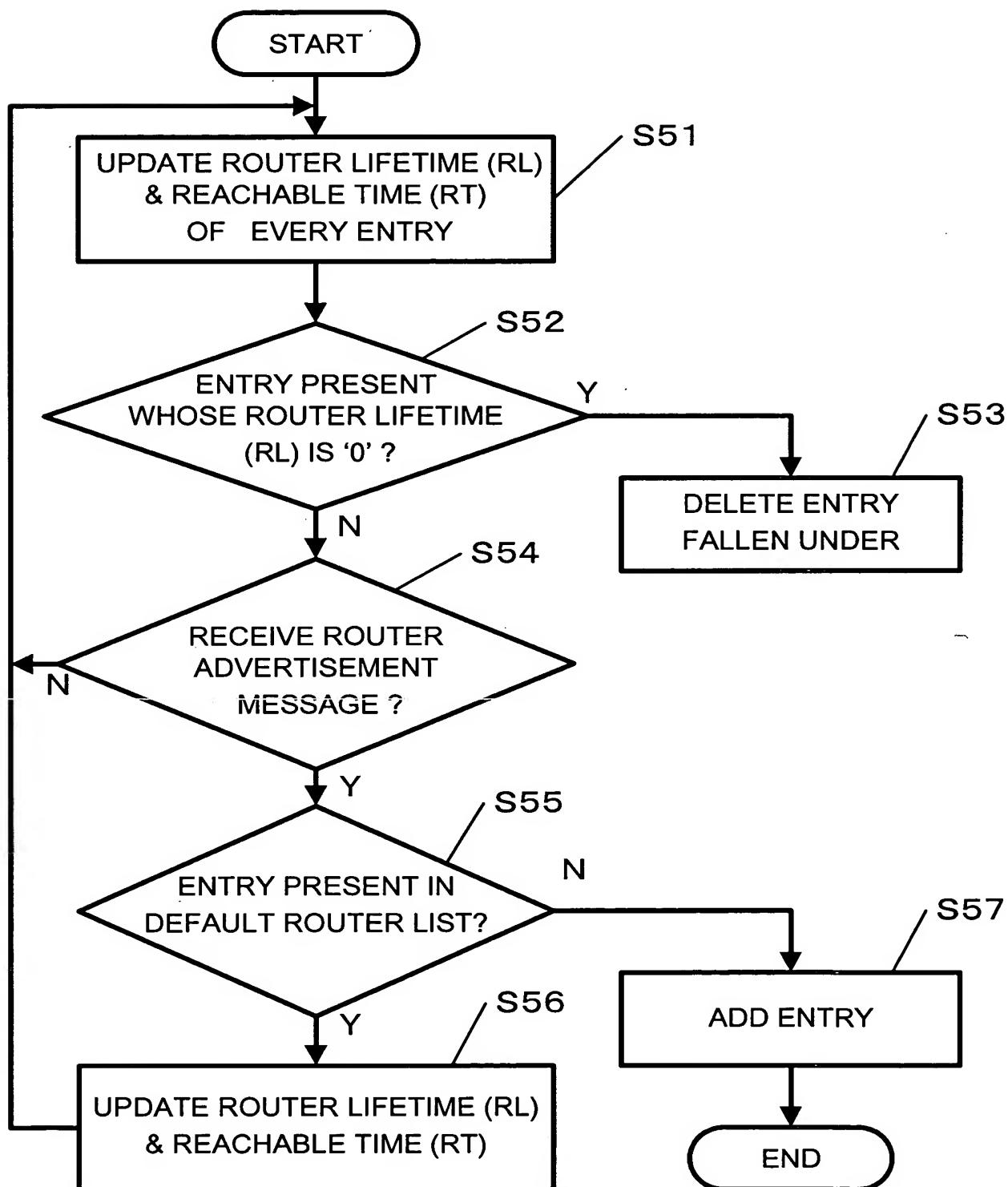


FIG.5



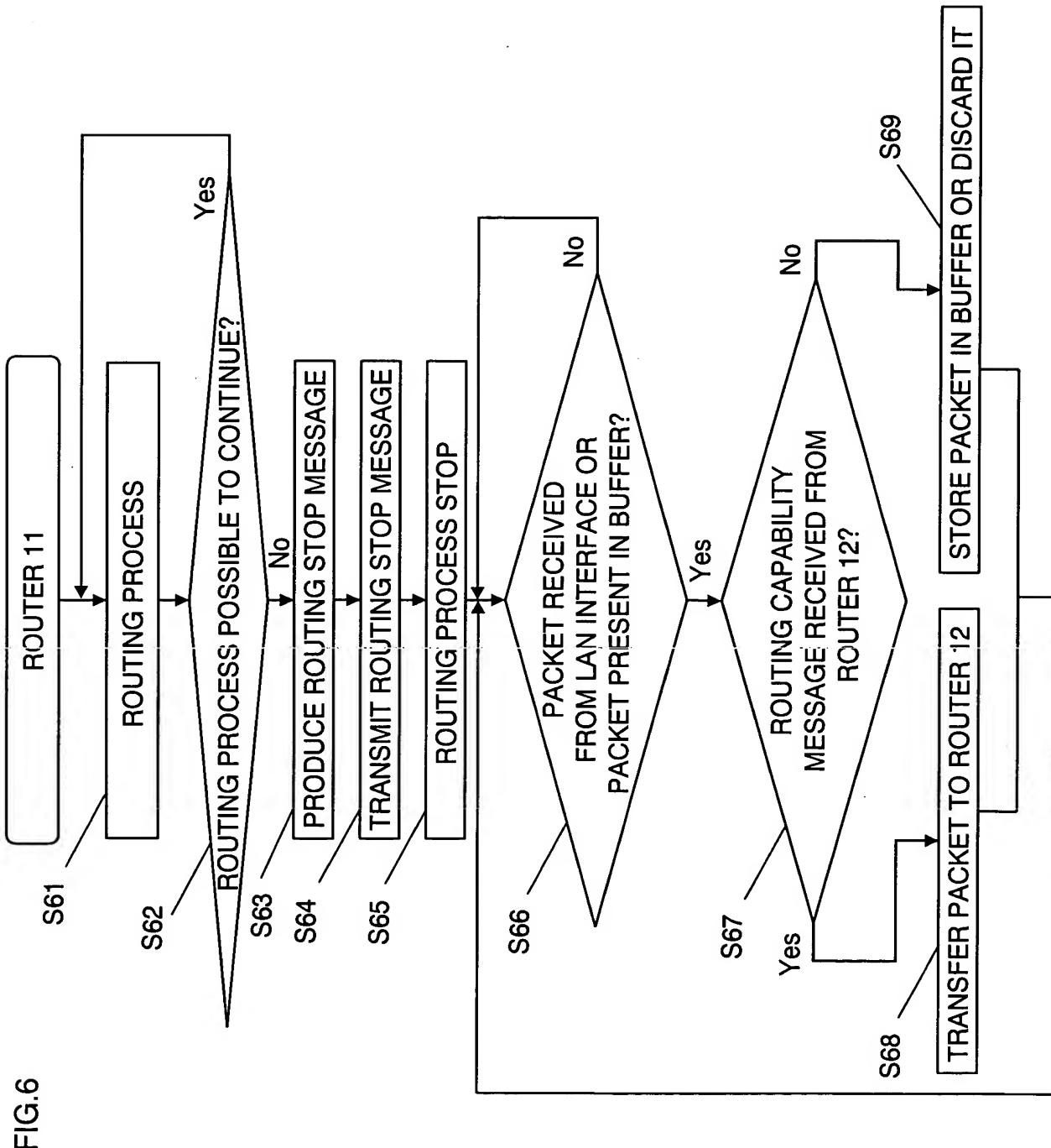


FIG.7

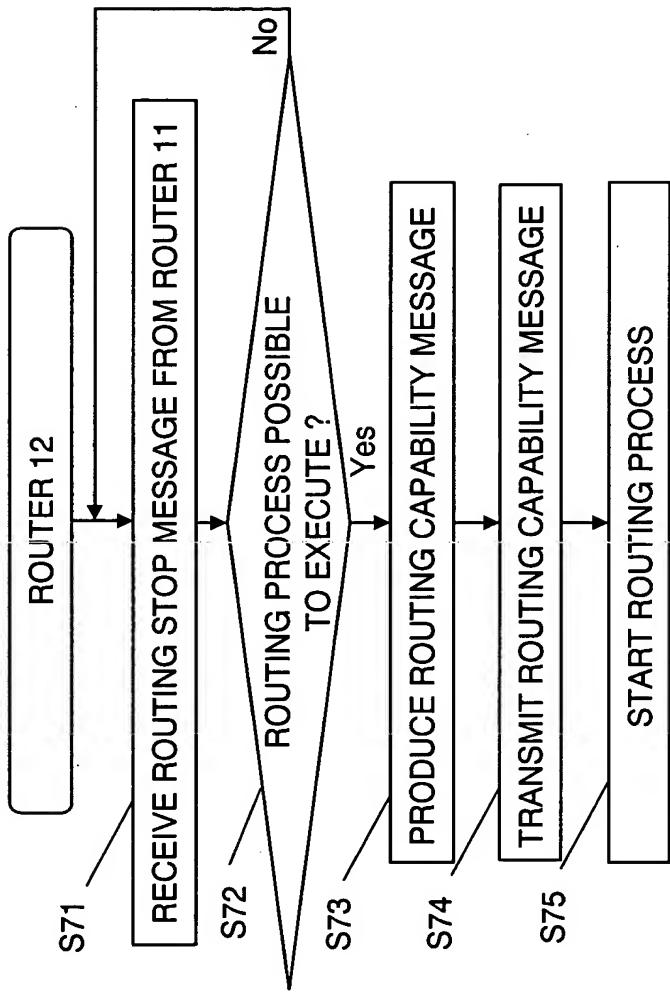


FIG.8

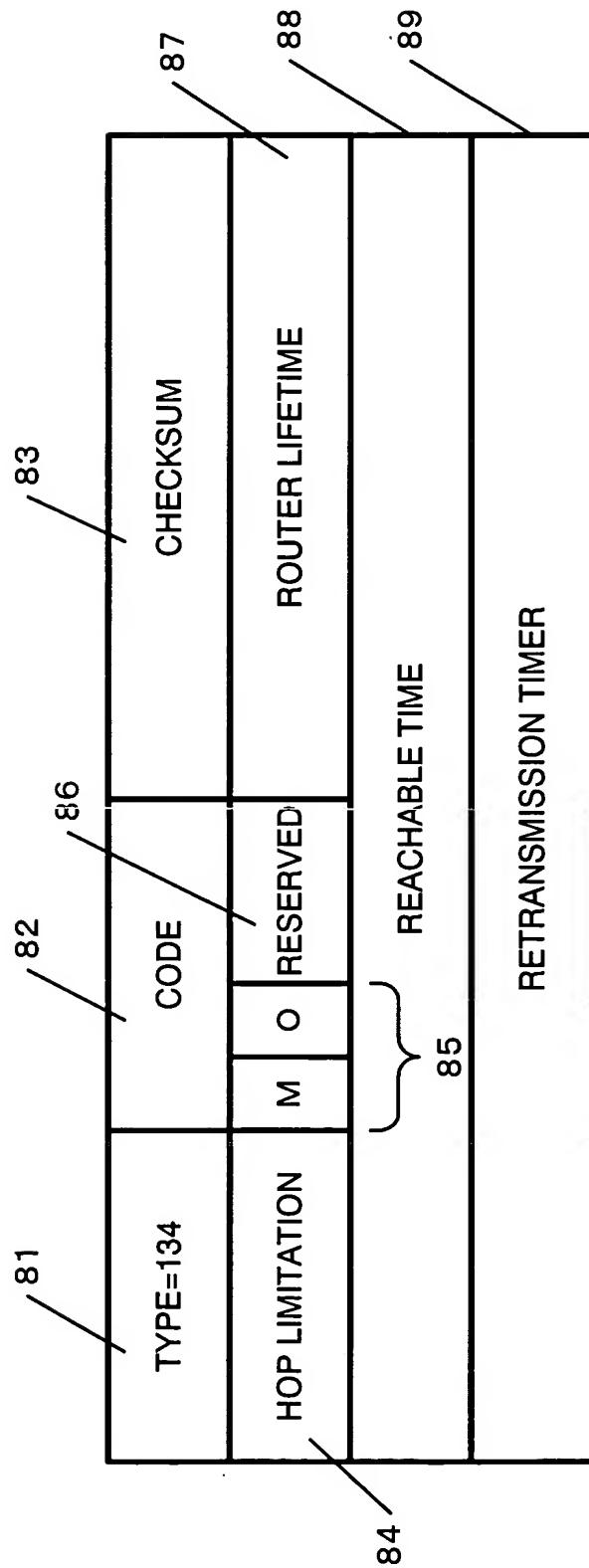


FIG.9

|          |                                |                         |  |
|----------|--------------------------------|-------------------------|--|
| ENTRY    | ROUTER LIFETIME<br>(unit: sec) | NEIGHBOUR CACHE POINTER |  |
| ROUTER 1 | 1000                           | N1                      |  |
|          |                                |                         |  |
|          |                                |                         |  |

FIG.10

|          |                                |                            |  |
|----------|--------------------------------|----------------------------|--|
| ENTRY    | ROUTER LIFETIME<br>(unit: sec) | NEIGHBOUR CACHE<br>POINTER |  |
| ROUTER 1 | 1                              | N1                         |  |
|          |                                |                            |  |
|          |                                |                            |  |

FIG.11

| ENTRY    | ROUTER LIFETIME RL<br>(unit: sec) | NEIGHBOUR CACHE POINTER |
|----------|-----------------------------------|-------------------------|
| ROUTER 1 | 0                                 | N1                      |
| ROUTER 2 | 3000                              | N2                      |

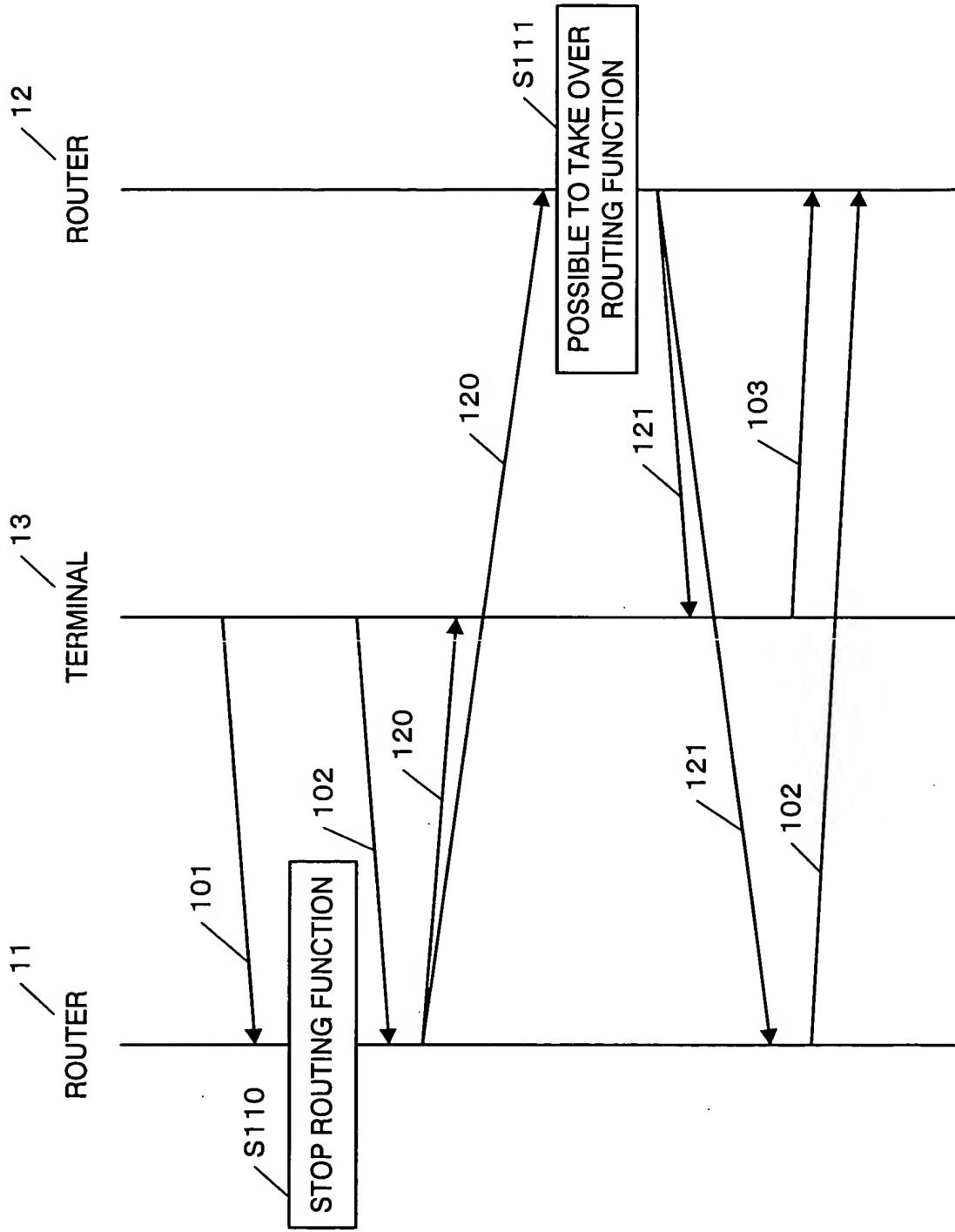
FIG.12

| ENTRY    | ROUTER LIFETIME RL<br>(unit: sec) | NEIGHBOUR CACHE POINTER |
|----------|-----------------------------------|-------------------------|
| ROUTER 2 | 2999                              | N2                      |

FIG.13

| ENTRY | IP ADDRESS<br>(LAN INTERFACE) | TRANSITION TIME<br>(unit: msec) | LINK-LAYER ADDRESS |
|-------|-------------------------------|---------------------------------|--------------------|
| N1    | IPAddr1                       | 0                               | MAC1               |
| N2    | IPAddr2                       | 300                             | MAC2               |

FIG.14



List of In-drawing References

1. Local area network (LAN)
2. External network
- 11, 12. Router
- 5 13. Terminal
- 14, 15. Access point device
16. External terminal
21. LAN interface
22. IP processing section
- 10 23. Higher-layer processing section
24. Default router list
25. Neighbor cache
26. Router switchover section
27. Buffer
- 15 28. Timer
31. LAN interface
32. IP/routing processing section
33. Higher-layer processing section
34. External-network connecting interface
- 20 35. Status monitor section
36. Transition-to-backup-router processing section
37. Router stop time calculating section
38. Buffer
39. Transition-to-master deciding section
- 25 40. Transition time calculating section